

IID Overview

IBM Business Process Manager v7.5

IBM Integration Designer



IBM Business Process Manager V7.5

Process End-Users
Process Owners



Business & IT Authors



Process
Designer

Authors & Admins



IT Developers



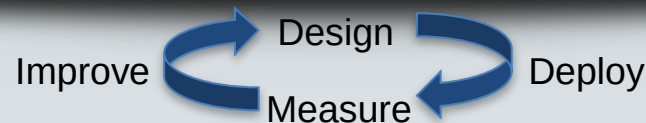
Integration
Designer

Process Center

Governance of Entire BPM Life Cycle

Shared Assets Versioned Assets Server Registry

BPM Repository



*IBM BPM
widgets work
with IBM
WebSphere
Portal*

*Backward
compatibility,
easy migration
from WLE &
WPS*

Process Server

BPMN

Rules

Monitoring

BPEL

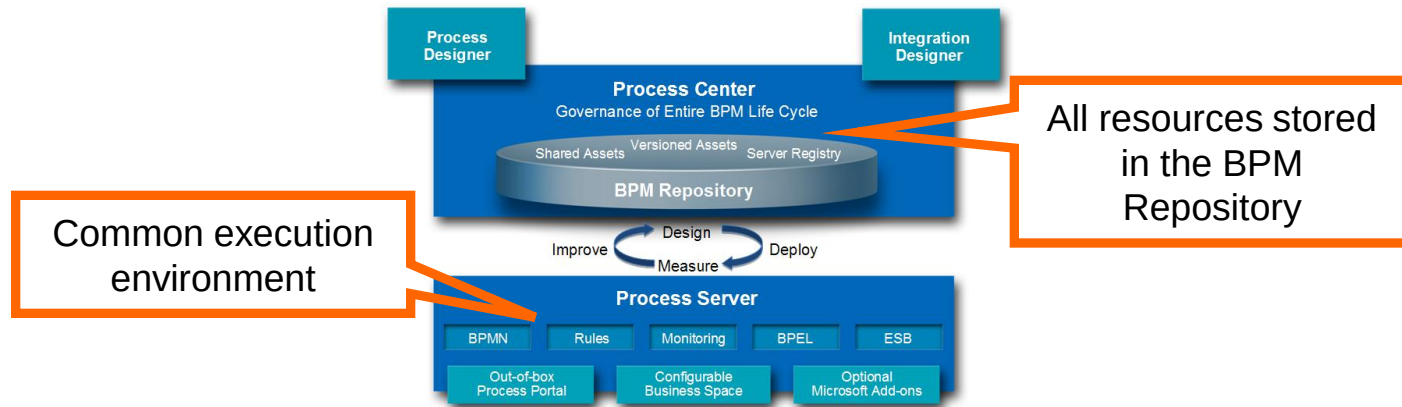
ESB

Out-of-box
Process Portal

Configurable
Business Space

Optional
Microsoft Add-ons

Roles and Responsibilities



Process Designer

- Business Author builds a fully executable human-centric BPMN process in the Process Designer
- Business-led human-centric BPM process improvement projects.
 - Human Interaction
 - Playbacks for Engagement
 - Visual Analysis & Optimization
 - Rapid Change Deployment

Integration Designer

- IT Developer builds integrations and BPEL processes in Integration Designer
- Integration and System-centric process orchestration
 - Access to backend systems
 - Straight-Through Processing with transactions and Recovery
 - Security
 - Runtime governance
 - Complex schema support

Seamless Collaboration Across Roles



Business Process Owner

- Authors a Process Application
- Defines Service Interfaces for Implementation by Integration Developer



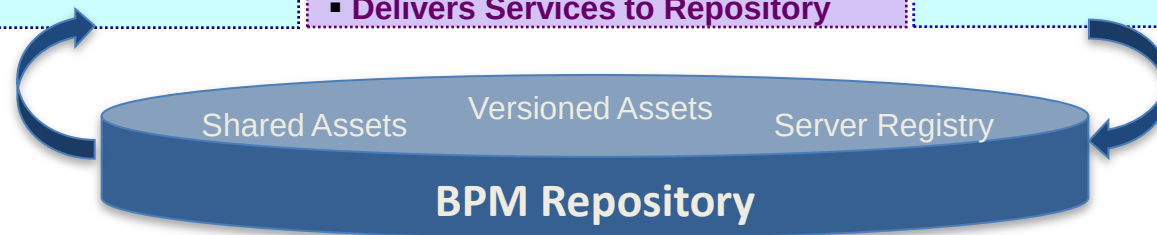
Integration Developer

- Imports the Process Application
- Generates Service Implementations
- Unit Tests Services
- Delivers Services to Repository



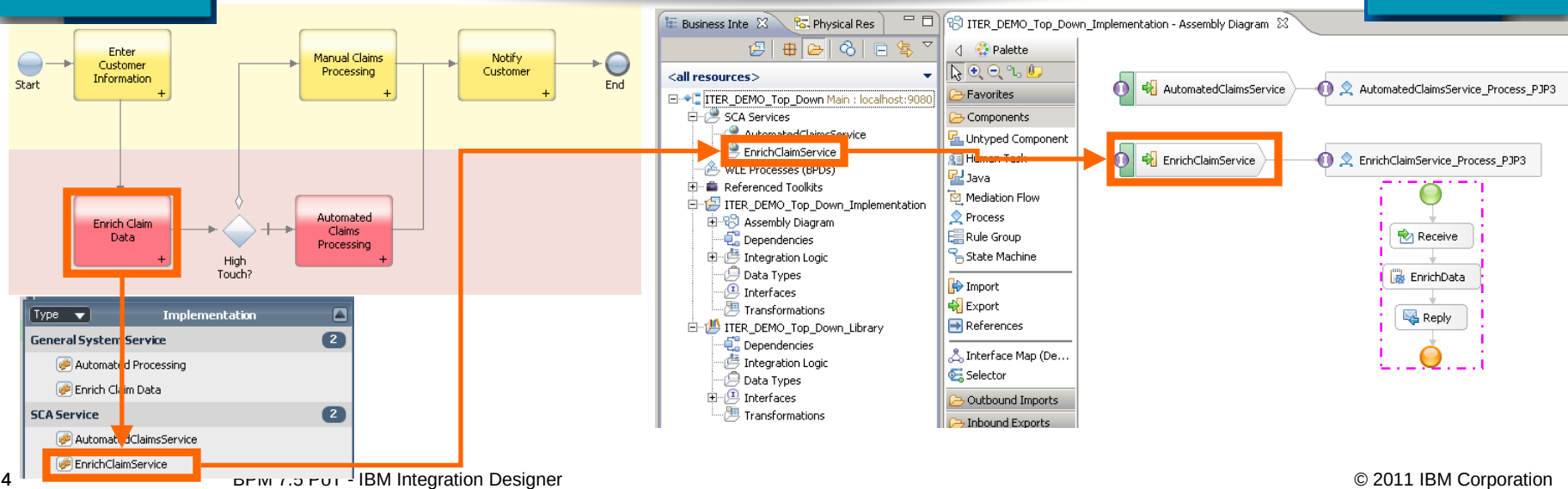
Business Process Owner

- Wires the Implemented Services to the Process
- Unit Test the Process



Process Designer

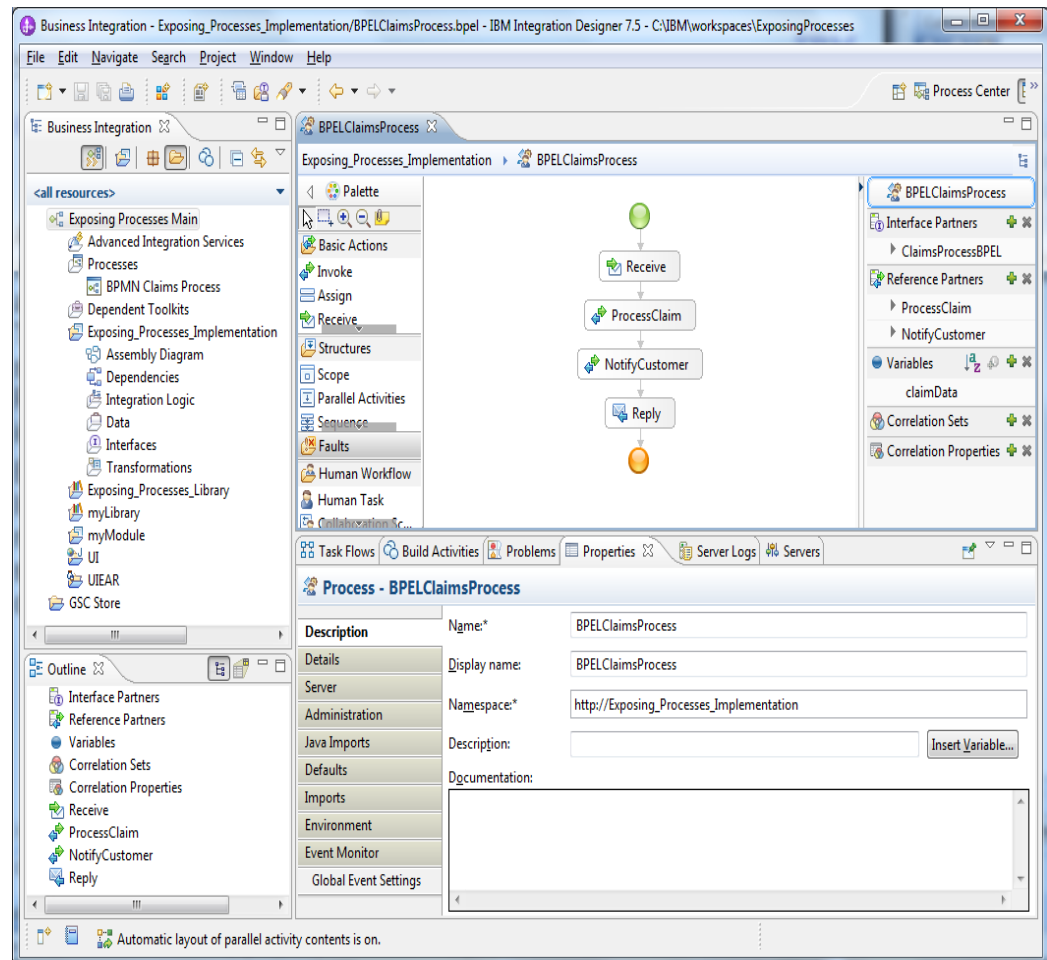
Integration Designer



Integration Designer - Simplify

**Integration
Designer**

- Authoring of complex integrations and fully automated Straight Through Processes in supporting role of Process Apps authored in Process Designer
- Eclipse-based Integration Designer makes it easier for service and integration developers to:
 - Build reusable SOA services
 - Orchestrate
 - Access backend systems



Based on Eclipse ...

The screenshot displays the IBM Integration Designer 7.5 user interface, which is based on the Eclipse IDE. The interface is divided into several panes and toolbars. A yellow callout labeled "Project" points to the left-hand pane, which shows a hierarchical tree of project resources. A yellow callout labeled "Editor" points to the central workspace, which displays a BPEL process diagram for "BPELClaimsProcess". A yellow callout labeled "Perspective" points to the top-right pane, which shows the "Process Center" view. A yellow callout labeled "Outline" points to the bottom-left pane, which shows the "Outline" view of the current project. A yellow callout labeled "Server" points to the bottom-right pane, which shows the "Server" view with a list of servers, including "IBM Process Center v7.5 at tpad.encinitas.ibm.com".

Project

Editor

Perspective

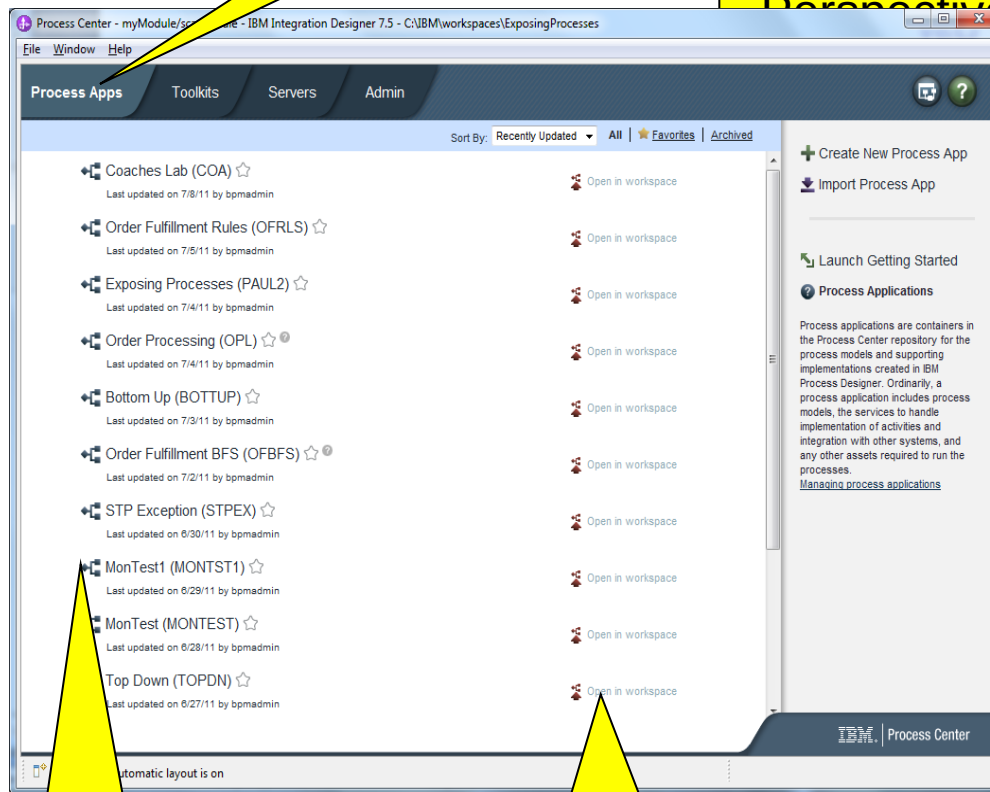
Outline

Server

Perspectives

Process
Center
Perspective

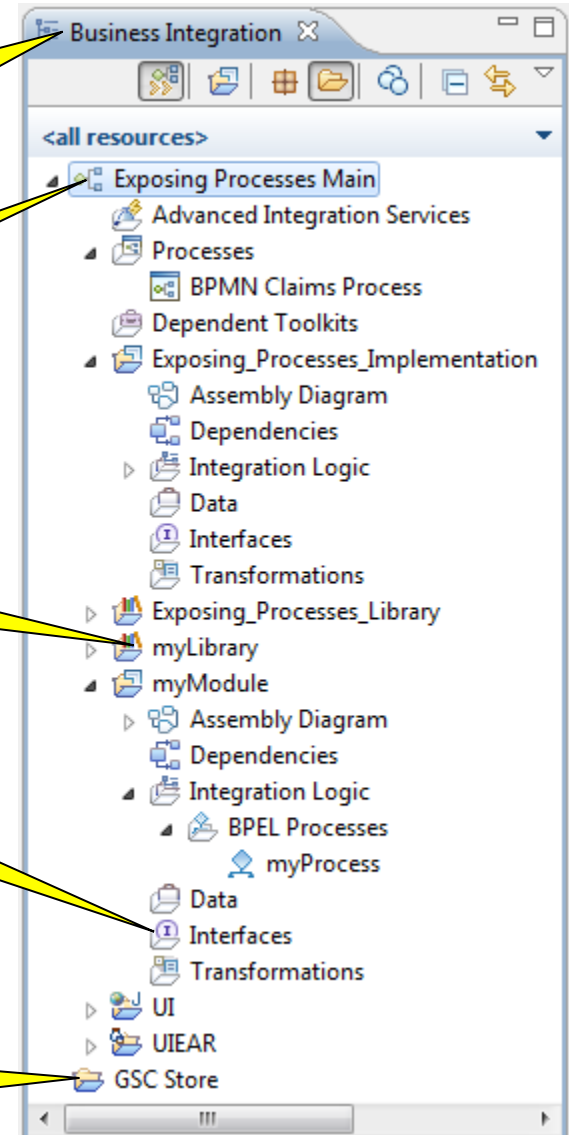
Business
Integration
Perspective



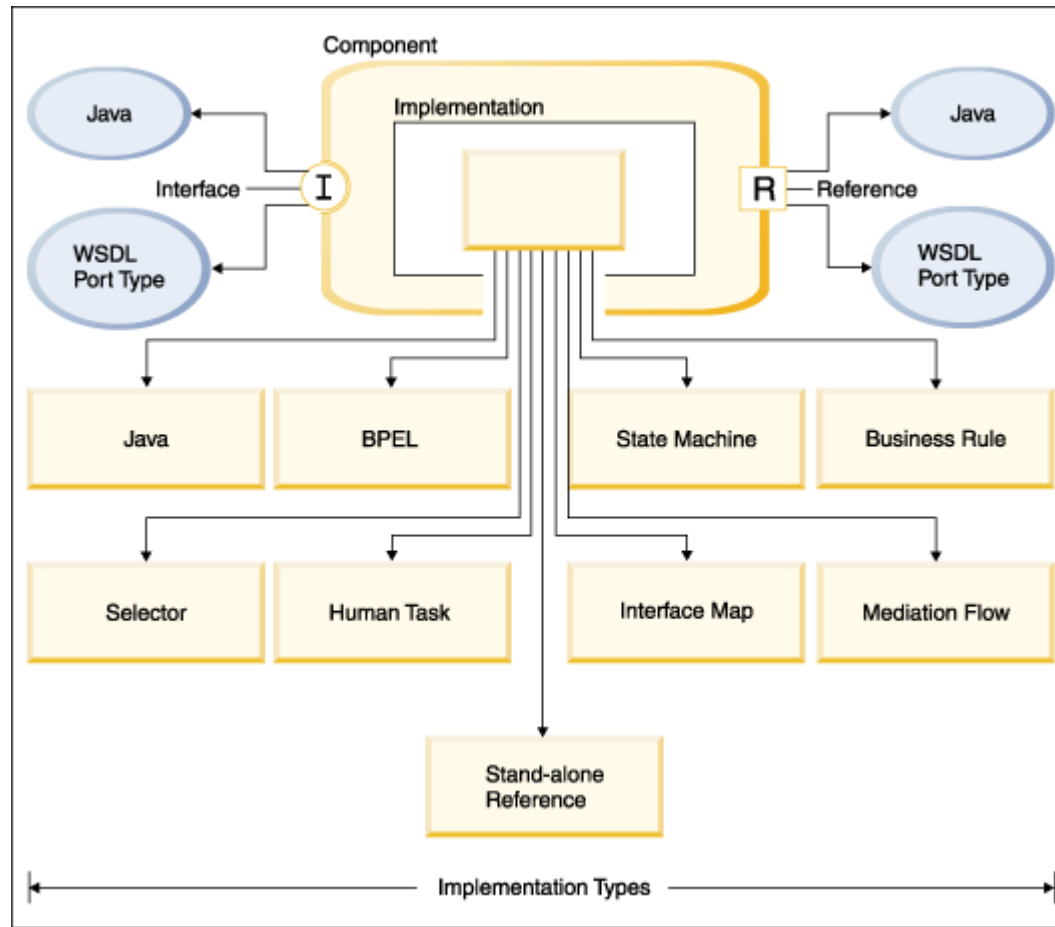
Process
Apps

Open in
Workspace

SCA
Module



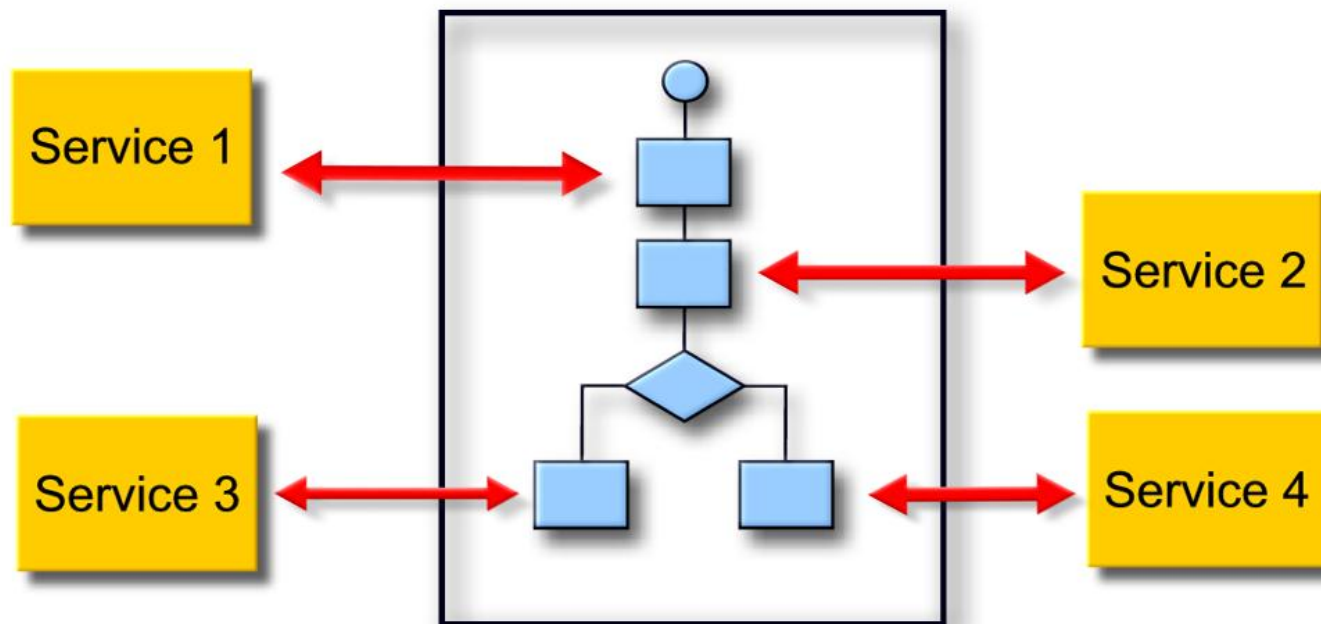
Component Development Tools in IBM Integration Designer



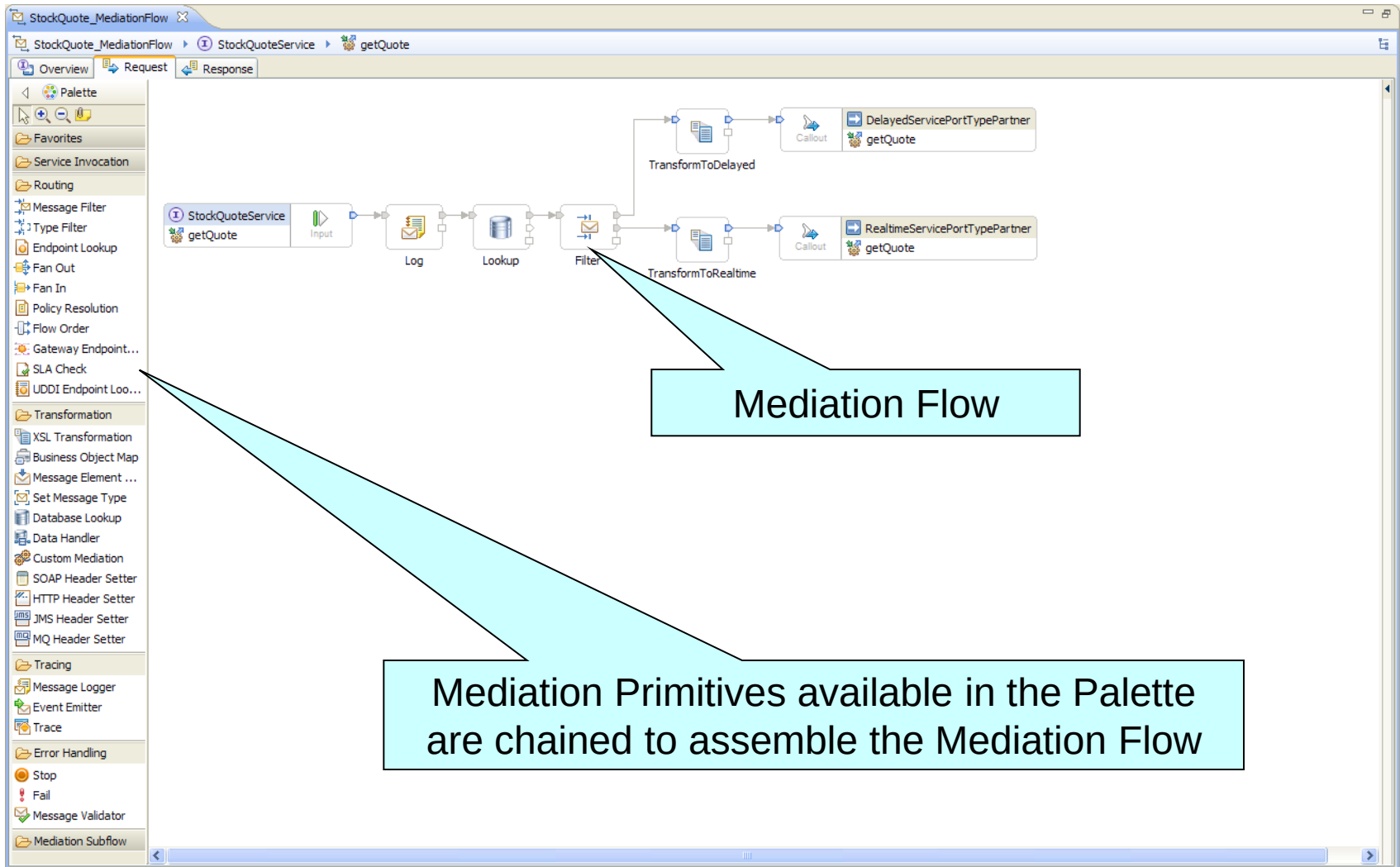
WS-BPEL = Process Choreography ...

- Choreography of Services

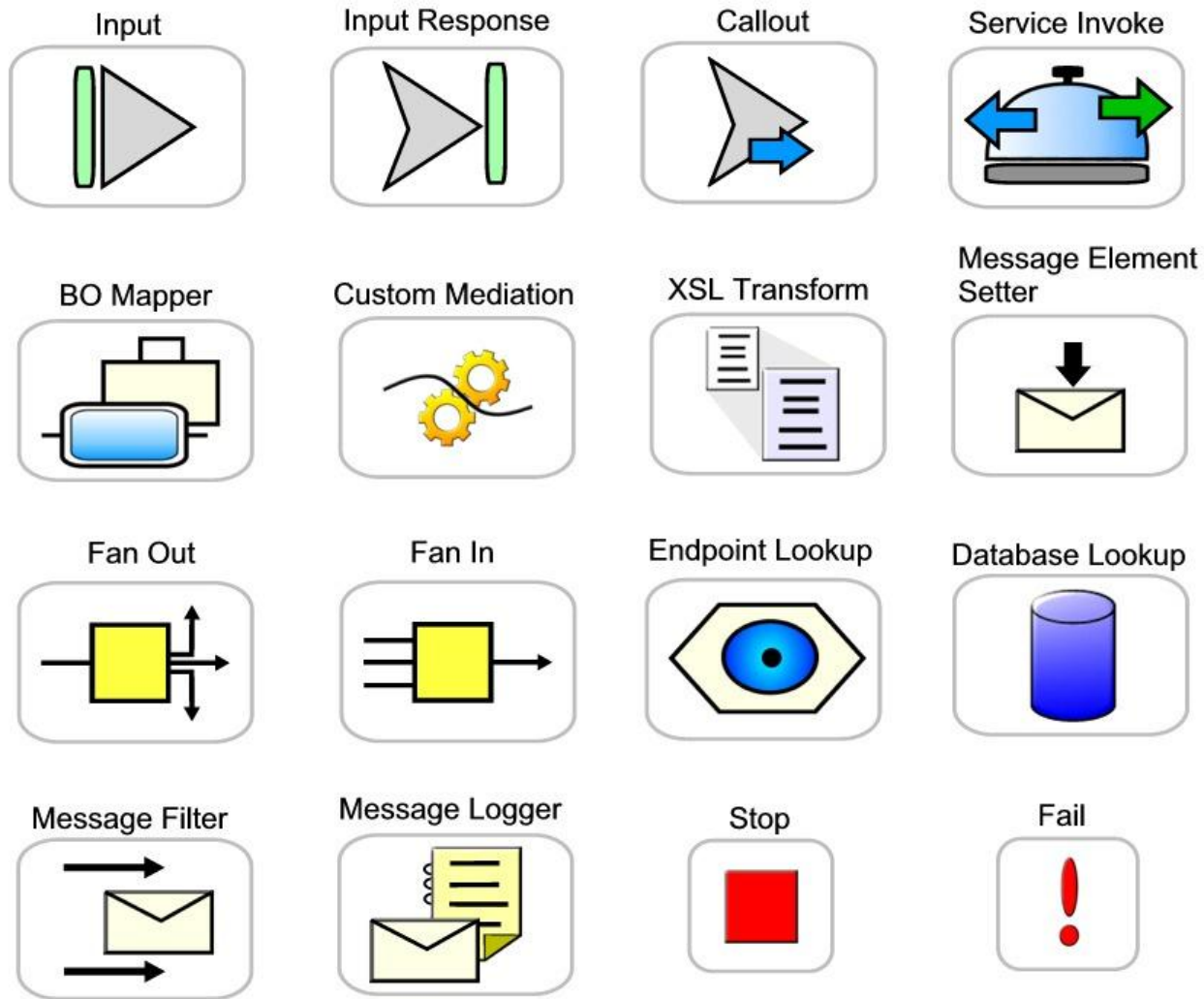
- Each participant described through Service declaration
- WS-BPEL becomes “*glue*” that describes relationships between Services



What is a Mediation Flow?



Mediation Flow Nodes and Primitives ...



WebSphere Adapters

For Technology

- Flat Files
- JDBC™
- FTP
- E-mail
- IBM Lotus Domino®
- IBM CICS®
- IBM IMS™
- IBM i platform
- WebSphere Adapter Toolkit

For Applications

- SAP
- Oracle eBusiness
- PeopleSoft
- Siebel Business Applications
- JDEdwards

Questions

